

# ENGINEER OF DISTINCTION

Tennessee Technological University

## James D. Peterman

B.S. Electrical Engineering,  
Tennessee Technological University, 1983

M.S. Electrical Engineering,  
Tennessee Technological University, 1985

MBA, Regis University, 2001

**Senior Product Manager**



Originally from Harriman, TN, Jim began his college career at TTU in the fall of 1978 as a work scholarship student in Basic Engineering. After two cooperative education work assignments at the Naval Surface Weapons Center, Dahlgren, VA, Jim completed a Bachelor of Science in Electrical Engineering in 1983 and a Master of Science in Electrical Engineering in 1985.

Following completion of his Master's degree, Jim spent nearly 16 years developing communications equipment and tactical network management systems for military applications as an engineering designer and manager for GTE Government Systems and General Dynamics. He presented pioneering work in Digital Signal Processing at a NATO workshop at the Shape Technical Institute, The Hague, Netherlands, which led to participation in an international standards committee.

In 2001, Jim transitioned to the commercial telecommunications industry as a Senior Product Manager for Tekelec. For 10 years Jim directed Tekelec's Platform Program, setting the technical direction for R&D for hardware and platform layer software. He also worked closely with strategic customers to capture their network requirements and engineer network solutions. Jim's work with clients in Canada, England, France, India, Italy, Mexico, Russia, and Switzerland contributed to the company's global expansion. Currently, he is focused on Business Strategy and serves as Tekelec's Network Security subject matter expert.

In addition to R&D, Jim has been involved with engineering process improvement and quality initiatives as an ISO-9001 Internal Auditor and Team Leader. He is active in the Institute of Electrical and Electronics Engineers (IEEE), speaking frequently to Student Branches on professional topics and continuing education. A member of the Electrical and Computer Engineering's Industrial Advisory Board at Tennessee Tech since its inception, he has served as chair and vice-chair. Jim completed a Master of Business Administration from Regis University in Denver in 2001.

Jim and his wife, Mona, reside in Raleigh, NC, with their two younger children, Matt and Anna. Their oldest son, Ben, attends Auburn University. Jim serves as an elder at the Raleigh Church of Christ where his activities include teaching and mentoring on the topics of marriage and parenting.